

FIG. 1

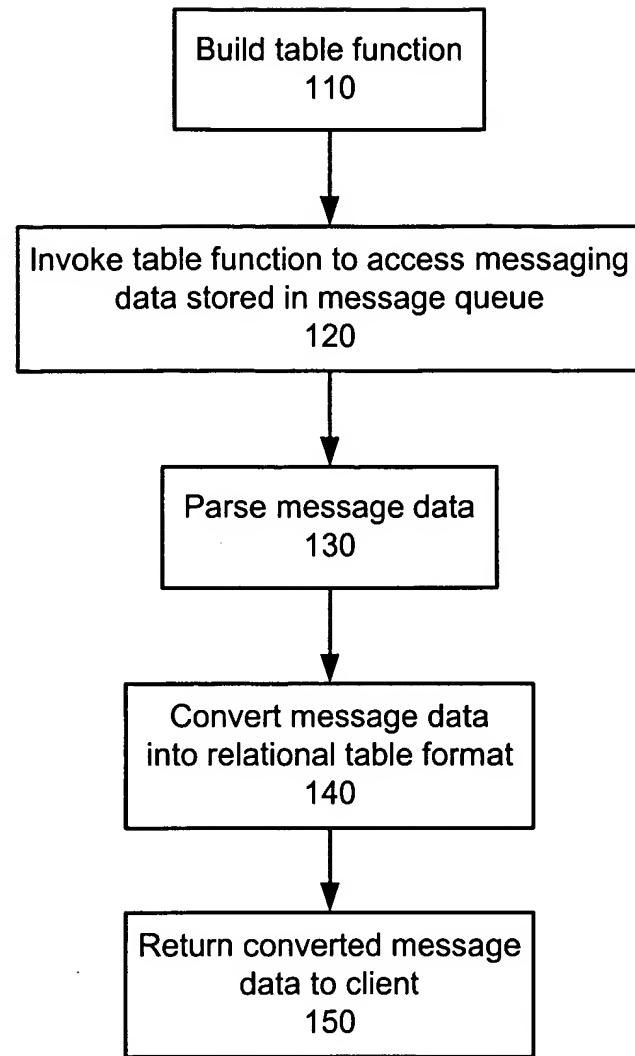


FIG. 2

10027659 010202

1. UDF Type  
2. UDF Name  
3. Target Database  
4. Source MQ  
5. Message Format  
6. Column Definition  
7. Options  
8. Summary

### UDF Type

Select whether to build a read message UDF, receive message UDF, or both.

201  Build a receive (destructive read) message UDF

202  Build a read message UDF

203  Build both a receive and read message UDF

204  Next ►  Finish  Cancel

205

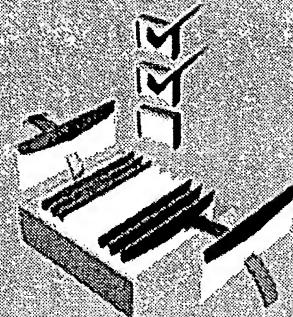


FIG. 3

1. UDF Type  
2. UDF Name  
3. Target Database  
4. Source MQ  
5. Message Format  
6. Column Definition  
7. Options  
8. Summary

### UDF Name

Specify the name of the table UDF, and optionally type a comment to describe the function.

Receive message UDF

Name: MQRECEIVEUDF

Comment:

Read message UDF

Name: MQREADUDF

Comment:

1 Back  Next ►  Finish  Cancel

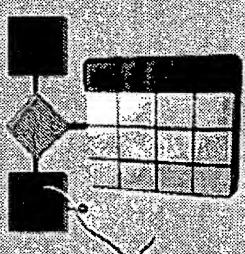


FIG. 4

1. UDF Type  
 2. UDF Name  
 3. Target Database  
 4. Source MQ  
 5. Message Format  
 6. Column Definition  
 7. Options  
 8. Summary

**Target Database**  
 Specify the DB2 database where you would like to store the user-defined table function.

Database:  220

Use your current user ID and password 221

User ID:  221

Password:  222

223



FIG. 5

1. UDF Type  
 2. UDF Name  
 3. Target Database  
 4. Source MQ  
 5. Message Format  
 6. Column Definition  
 7. Options  
 8. Summary

**Source MQ**

Use default specification 230

Specify service point and policy 231

Service point name:  231

Policy name:

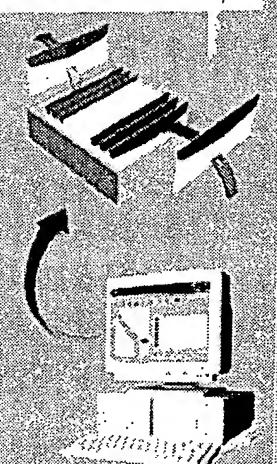


FIG. 6

1. UDF Type  
 2. UDF Name  
 3. Target Database  
 4. Source MQ  
**5. Message Format**  
 6. Column Definition  
 7. Options  
 8. Summary

### Message Format

Specify how the column data is identified within the source message. If you have previously saved the column data format and definition in a file, enter the file name.

**Column data format**

**Specify column data format** — 240

**Delimited** — 242

Delimiter character

**Fixed-length** — 243

**Read column data format and definitions from a file** — 241

Filename

**Show Sample Content** — 244

**Back** **Next** **Finish** **Cancel**

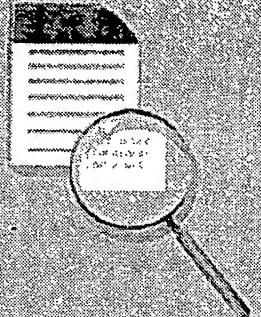


FIG. 7

1. UDF Type  
 2. UDF Name  
 3. Target Database  
 4. Source MQ  
**5. Message Format**  
**6. Column Definition**  
 7. Options  
 8. Summary

### Column Definition

Define the columns within the MQ message. The column definition must correspond to the column data within the MQSeries message and determines the table UDF column output. Click Add or Change to add or modify a column definition.

**Columns** — 250

Name	SQL type
COL1	varchar(12)
COL2	decimal(8,2)
COL3	char(8)
COL4	date

**251**

**252** **Add**  
**253** **Change**  
**254** **Remove**  
**255** **Move Up**  
**256** **Move Down**

**Sample result** — 255

**Back** **Next** **Finish** **Cancel**

FIG. 8

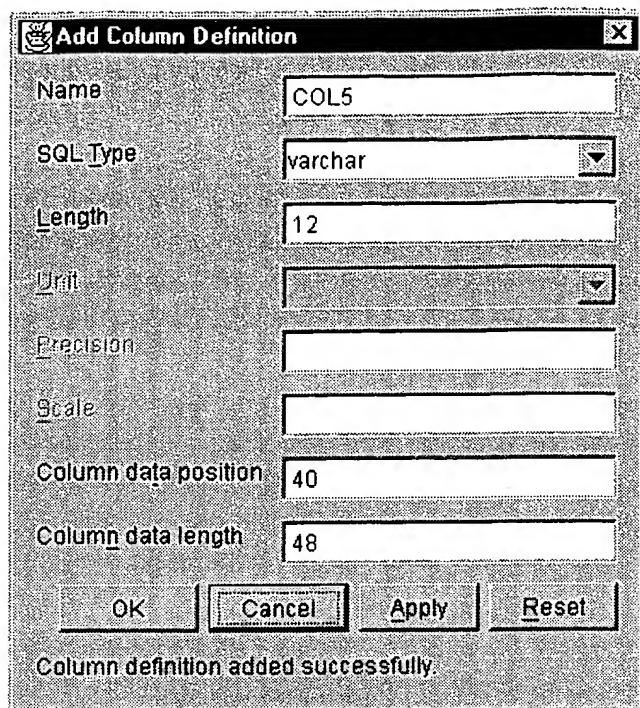


FIG. 8A

Name	SQL type	Value
COL1	varchar(12)	tanya couch
COL2	decimal(8,2)	35.55
COL3	char(8)	San Jose
COL4	date	1992-10-27

Close

FIG. 8B

1003255 "010202

1 UDF Type	<b>Options</b>		
2 UDF Name	Specify whether to create a view of the table UDF, and whether to save the column data format and definitions to a file for the next time you create a UDF using this wizard.		
3 Target Database	<input checked="" type="checkbox"/> Create a corresponding table view - 260		
4 Source MQ	Receive message UDF		
5 Message Format	261	View name for receive UDF	db2admin.recvview1
6 Column Definition	264	View comment for receive UDF	view of table function
7 Options	<input checked="" type="checkbox"/> Save the column definitions to a file - 262		
8 Summary	263		
	Filename	coldefinitions	<input type="button" value="Back"/> <input type="button" value="Next"/> <input type="button" value="Finish"/> <input type="button" value="Cancel"/>

FIG. 9

1. UDF Type  
 2. UDF Name  
 3. Target Database  
 4. Source MQ  
 5. Message Format  
 6. Column Definition  
 7. Options  
 8. Summary

**Summary**

The table UDF options are summarized below. When you click finish the table UDF will be built. Ensure that the MQSeries Integration Functions are installed before running the UDF.

Summary of table UDF options

Name	Value
Build both a receive and read message UDF	Selected
Receive message UDF	MQRECEIVEUDF
Read message UDF	MQREADUDF
Comment	

Summary of table UDF columns

Name	SQL type
COL1	varchar(12)
COL2	decimal(8,2)
COL3	char(8)
COL4	date

271 — Show SQL

◀ Back      Finish      Cancel

270 FIG. 10

SQL statements

```

CREATE FUNCTION MQRECEIVEUDF0
RETURNS TABLE ( COL1 varchar(12),
                 COL2 decimal(8,2),
                 COL3 char(8),
                 COL4 date )
LANGUAGE SQL
NOT DETERMINISTIC
EXTERNAL ACTION
READS SQL DATA
RETURN SELECT
  VARCHAR(DB2MQ.GETCOL(T.MSG,'%',1),12),
  DEC(DB2MQ.GETCOL(T.MSG,'%',2),8,2),
  CHAR(DB2MQ.GETCOL(T.MSG,'%',3),8),
  DATE(DB2MQ.GETCOL(T.MSG,'%',4)) FROM TABLE
  (DB2MQ.MQRECEIVEALL0) AS T;
  
```

Close

FIG. 10A